This Listing of the Claims replaces all prior Listings of the Claims.

Please amend the claims as follows:

- (Withdrawn) A method for preparing alphaviral replicon particles (ARPs) encoding and expressing a plurality of antigens, said method comprising the steps of:
 - a) introducing a plurality of alphaviral replicon nucleic acids into a plurality of cells, wherein said cells are permissive for alphavirus replication and packaging, wherein said replicon nucleic acid comprises at least a virus packaging signal and at least one heterologous coding sequence expressible in said alphaviral replicon nucleic acid, wherein said cell comprises at least one helper function, to produce a modified cell, and wherein the plurality of alphaviral replicon nucleic acids encode a plurality of antigens, to produce a plurality of modified cells:
 - culturing said plurality of modified cells of step (a) under conditions allowing expression of the at least one helper function, allowing replication of said alphaviral replicon nucleic acid and packaging of said alphaviral replicon nucleic acid to form ARPs;
 - c) contacting the modified cells after step (b) with an aqueous solution having an ionic strength from 0.2M to 5M to release the ARPs into the aqueous solution to produce a ARP-containing solution; and
 - d) collecting ARPs from the ARP-containing solution of step (c).
- (Withdrawn) The method of claim 1 wherein the at least one helper function in the host cell of step (a) is encoded by a nucleic acid sequence stably integrated within the genome of said host cell.
- (Withdrawn) The method of claim 1 wherein the at least one helper function in the cell is introduced on at least one helper nucleic acid which

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encodes a capsid protein capable of binding said alphaviral replicon nucleic acid, and at least one alphaviral glycoprotein, wherein said alphaviral glycoprotein associates with said alphaviral replicon nucleic acid and said capsid protein, wherein the at least one helper nucleic acid molecule is introduced into the cell together with said alphaviral replicon

nucleic acid.

4 (Withdrawn) The method of claim 1, wherein the at least one helper function is encoded by at least two helper nucleic acid molecules wherein each of said two helper nucleic acid molecules encodes at least one

alphaviral helper function.

5. (Withdrawn) The method of claim 1, wherein the at least one helper nucleic acid molecule and the alphaviral replicon RNA are RNA molecules

6. (Withdrawn) The method of claim 5, wherein the at least one helper nucleic acid molecule is not capped.

(Withdrawn) The method of claim 1, wherein at least one helper nucleic 7.

acid molecule is a DNA molecule

8. (Withdrawn) The method of claim 1, wherein the replicon nucleic acid is

introduced into said host cell by electroporation.

(Withdrawn) The method of claim 8, wherein the cell density in the 9.

electroporation milieu is from 10⁷ to 5 x 10⁸ per mL.

10. (Withdrawn) The method of claim 8, wherein the electroporation is carried

out in an electroporation cuvette.

11 (Withdrawn) The method of claim 1, wherein step (d) is followed by an ion

exchange chromatography step or a heparin affinity chromatography step.

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- (Withdrawn) The method of claim 1, wherein the alphavirus is an attenuated alphavirus.
- (Withdrawn) The method of claim 12, wherein the attenuated alphavirus is Venezuelan equine encephalitis virus (VEE).
- (Withdrawn) The method of claim 13, wherein the attenuated VEE is strain 3014.
- (Withdrawn) The method of claim 1, wherein the wash step employs NaCl, KCl, MgCl₂, CaCl₂, NH₄Cl, (NH₄)₂SO4, NH₄ Acetate or NH₄ Bicarbonate.
- (Currently amended) An alphavirus replicon particle (ARP) preparation, wherein the alphavirus particles bind heparin, prepared by
 - making a nucleic acid expression library of a tumor cell;
 - b) making a population of alphavirus replicon nucleic acids from the expression library of step a);
 - c) introducing said population of alphaviral replicon nucleic acids into a plurality of cells, wherein said cells are permissive for alphavirus replication and packaging, wherein each replicon nucleic acid comprises at least a virus packaging signal and at least one heterologous coding sequence expressible in said alphaviral replicon nucleic acid, wherein said cell comprises at least one helper function, to produce a modified cell, and wherein the population of alphaviral replicon nucleic acids encodes a plurality of antigens corresponding to said nucleic acid expression library synthesized from a tumor cell, to produce a plurality of modified cells;
 - d) culturing said plurality of modified cells of step (c) under conditions allowing expression of the at least one helper function, allowing replication of said population of alphaviral replicon nucleic acids and packaging of

said alphaviral replicon nucleic acids to form ARPs; wherein said ARPs bind to heparin:

- e) contacting the modified cells after step (4b) (e) with an aqueous solution having an ionic strength from 0.2M to 5M to release the ARPs into the aqueous solution to produce a ARP-containing solution; and
- f) collecting ARPs from the ARP-containing solution of step (e),

whereby an alphavirus replicon particle preparation which encodes an expression library of a tumor cell is produced, said library expressing the full range of antiqens expressed by the tumor.

17-19 Canceled

- 20. (Withdrawn) A method for immunizing a human or animal against a parasite, pathogen or cancer, said method comprising the step of administering an amount of a virus replicon particle preparation of claim 16, effective for generating an immune response to at least one antigen of said parasite, pathogen or cancer.
- (Withdrawn) The method of claim 20, wherein the pathogen is a virus, a bacterium, a yeast, a fungus or a protozoan.
- (Withdrawn) The method of claim 21, wherein the virus is an influenza virus, a herpes virus, a parainfluenza virus, respiratory syncytial virus, cytomegalovirus, human papilloma, or human immunodeficiency virus.
- (Withdrawn) The method of claim 21, wherein the protozoan is Plasmodium falciparum.
- (Withdrawn) The method of claim 21, wherein the bacterium is Mycobacterium tuberculosis.

- 25. (Withdrawn) The method of claim 20, wherein the cancer is selected from the group consisting of pancreatic cancer, kidney cancer, sarcoma, neuroblastoma, glioma, colon cancer, melanoma, breast cancer, ovarian cancer and prostate cancer.
- 26. (Withdrawn) A method for preparing alphaviral replicon particles (ARPs) encoding and expressing a plurality of antigens, said method comprising the steps of:
 - a) introducing a plurality of alphaviral replicon nucleic acids into a plurality of cells, wherein said cells are permissive for alphavirus replication and packaging, wherein said replicon nucleic acid comprises at least a virus packaging signal and at least one heterologous coding sequence expressible in said alphaviral replicon nucleic acid, wherein said cell comprises at least one helper function, to produce a modified cell, and wherein the plurality of alphaviral replicon nucleic acids encode a plurality of antigens, to produce a plurality of modified cells, wherein the step of introducing the nucleic acids is by electroporating said cells at a density from 5x10⁷ to 5x10⁸ per mL of electroporation mixture:
 - culturing said plurality of modified cells of step (a) under conditions allowing expression of the at least one helper function, allowing replication of said alphaviral replicon nucleic acid and packaging of said alphaviral replicon nucleic acid to form ARPs;
 - c) contacting the modified cells after step (b) with an aqueous solution having an ionic strength from 0.2M to 5M to release the ARPs into the aqueous solution to produce a ARP-containing solution; and
 - d) collecting ARPs from the ARP-containing solution of step (c).
- (Withdrawn) The method of claim 1 wherein the plurality of antigens is derived from a virus, a bacterium, a yeast, a fungus, a protozoan or a cancer cell

- (Withdrawn) The method of claim 27, wherein the virus is an influenza virus, a herpes virus, a parainfluenza virus, respiratory syncytial virus, cytomegalovirus, human papilloma, or human immunodeficiency virus.
- (Withdrawn) The method of claim 27, wherein the protozoan is Plasmodium falciparum.
- (Withdrawn) The method of claim 27, wherein the bacterium is Mycobacterium tuberculosis.
- 31. (Withdrawn) The method of claim 27, wherein the cancer cell is selected from the group consisting of a pancreatic cancer cell, a kidney cancer cell, sarcoma cell, neuroblastoma cell, glioma cell, colon cancer cell, melanoma cell, breast cancer cell, ovarian cancer cell and prostate cancer cell
- (Previously presented) The alphavirus replicon particle preparation of claim
 wherein said alphavirus replicon particle is a Venezuelan equine encephalitis virus preparation.
- (New) The alphavirus particle preparation of claim 16, wherein the nucleic acid expression library is a subtractive expression library.